

Sym

PAS

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PPP PPP AAA AAA SSS RRR RRR TTT LLL
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AAA AAA SSSSSSSSS RRRRRRRRRRRR TTT LLL
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|----------|-----------|----------|----------|------------|----|----|-----------|-----------|------------|----|
| PPPPPPPP | AAAAAA | SSSSSSSS | LL | | NN | NN | EEEEEEEEE | LL | | |
| PPPPPPPP | AAAAAA | SSSSSSSS | LL | | NN | NN | EE | LL | | |
| PP | PP | AA | AA | SS | LL | | NN | NN | EE | LL |
| PP | PP | AA | AA | SS | LL | | NNNN | NN | EE | LL |
| PP | PP | AA | AA | SS | LL | | NNNN | NN | EE | LL |
| PPPPPPPP | AA | AA | SSSSSS | LL | | NN | NN | EE | LL | |
| PPPPPPPP | AA | AA | SSSSSS | LL | | NN | NN | EE | LL | |
| PP | AAAAAAAAA | | SS | LL | | NN | NNNN | EE | LL | |
| PP | AAAAAAAAA | | SS | LL | | NN | NNNN | EE | LL | |
| PP | AA | AA | SS | LL | | NN | NN | EE | LL | |
| PP | AA | AA | SS | LL | | NN | NN | EE | LL | |
| PP | AA | AA | SSSSSSSS | LLLLLLLLLL | | NN | NN | EEEEEEEEE | LLLLLLLLLL | |
| PP | AA | AA | SSSSSSSS | LLLLLLLLLL | | NN | NN | EEEEEEEEE | LLLLLLLLLL | |

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|----|--|----------|
| LL | | SSSSSSSS |
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```
1 0001 0 MODULE PAS$LINELIMIT2 { #TITLE, 'LINELIMIT procedure'  
2 0002 0 IDENT = '1-001' ! File: PASLINEI.B32 Edit: SBL1001  
3 0003 0 ) =  
4 0004 1 BEGIN  
5 0005 1  
6 0006 1 *****  
7 0007 1 *  
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY  
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25 0025 1 *  
26 0026 1 *  
27 0027 1 *****  
28 0028 1 *  
29 0029 1 *  
30 0030 1 **  
31 0031 1 FACILITY: Pascal Language Support  
32 0032 1  
33 0033 1 ABSTRACT:  
34 0034 1  
35 0035 1 This procedure implements the Pascal LINELIMIT procedure.  
36 0036 1  
37 0037 1 ENVIRONMENT: User mode - AST reentrant  
38 0038 1  
39 0039 1 AUTHOR: Steven B. Lionel, CREATION DATE: 14-October-1981  
40 0040 1  
41 0041 1 MODIFIED BY:  
42 0042 1  
43 0043 1 1-001 - Original. SBL 14-October-1981  
44 0044 1 --
```

```
66      0045 1 %SBTTL 'Declarations'  
67      0046 1  
68      0047 1 PROLOGUE DEFINITIONS:  
69      0048 1  
70      0049 1  
71      0050 1 REQUIRE 'RTLIN:PASPROLOG';           ! Externals, linkages, PSECTs, structures  
72      0114 1  
73      0115 1  
74      0116 1 TABLE OF CONTENTS:  
75      0117 1  
76      0118 1  
77      0119 1 FORWARD ROUTINE  
78          PASSLINELIMIT2: NOVALUE;             ! Set linelimit for file  
79      0120 1  
80      0121 1  
81      0122 1  
82      0123 1 MACROS:  
83          NONE  
84      0124 1  
85      0125 1  
86      0126 1  
87      0127 1 EQUATED SYMBOLS:  
88      0128 1  
89      0129 1  
90      0130 1  
91      0131 1 FIELDS:  
92      0132 1  
93      0133 1  
94      0134 1  
95      0135 1 OWN STORAGE:  
96      0136 1  
97      0137 1  
98      0138 1  
         NONE
```

```

78      0139 1 %SBTTL 'PAS$LINELIMIT2 - Set linelimit for file'
79      0140 1 GLOBAL ROUTINE PAS$LINELIMIT2 (
80          0141 1     PFV: REF $PAS$PFV FILE VARIABLE,
81          0142 1     LINELIMIT: REF VECTOR [1, LONG],
82          0143 1     ERROR
83          0144 1 ) : NOVALUE =
84      0145 1
85      0146 1 ++
86      0147 1 // FUNCTIONAL DESCRIPTION:
87      0148 1
88      0149 1 This procedure sets a new limit for the number of lines that may
89      0150 1 be written to the specified file. For non-textfiles, each PUT
90      0151 1 is considered one line.
91      0152 1
92      0153 1 // CALLING SEQUENCE:
93      0154 1
94      0155 1     CALL PAS$LINELIMIT2 (pfv.mr.r, linelimit.rl.r [, error.j.r])
95      0156 1
96      0157 1 // FORMAL PARAMETERS:
97      0158 1
98      0159 1     PFV           - The Pascal File Variable (PFV) passed by reference.
99      0160 1             The structure of the PFV is defined in PAS$PFV.REQ.
100     0161 1
101     0162 1     LINELIMIT    - The new linelimit for the file. A signed longword
102     0163 1             integer value. A negative value denotes no limit.
103     0164 1
104     0165 1     ERROR         - Optional. If specified, the address to unwind to
105     0166 1             in case of an error.
106     0167 1
107     0168 1 // IMPLICIT INPUTS:
108     0169 1     NONE
109     0170 1
110     0171 1
111     0172 1 // IMPLICIT OUTPUTS:
112     0173 1     FCB [FCB$LINELIMIT]
113     0174 1
114     0175 1
115     0176 1 // ROUTINE VALUE:
116     0177 1     NONE
117     0178 1
118     0179 1
119     0180 1 // SIDE EFFECTS:
120     0181 1     NONE
121     0182 1
122     0183 1
123     0184 1
124     0185 1
125     0186 1 // SIGNALLED ERRORS:
126     0187 1     FILNOTOPE - file not open
127     0188 1
128     0189 1
129     0190 2 // BEGIN
130     0191 2
131     0192 2 // LOCAL
132     0193 2     FCB: REF $PAS$FCB_CONTROL_BLOCK, ! File control block
133     0194 2     PFV_ADDR: VOLATILE,           ! Enable argument
134     0195 2     UNWIND_ACT: VOLATILE,        ! Enable argument

```

PASSLINELIMIT2
1-001

LINELIMIT procedure
PASSLINELIMIT2 - Set linelimit for file

J 6
16-Sep-1984 01:43:06
14-Sep-1984 12:51:35

VAX-11 Bliss-32 V4.0-742
[PASRTL.SRC]PASLINELI.B32;1

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```
135      0196 2          ERROR_ADDR: VOLATILE;           . Enable argument
136      0197 2
137      0198 2          BUILTIN ACTUALCOUNT;
138      0199 2
139      0200 2
140      0201 2          ENABLE PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR); ! Enable error handler
141      0202 2
142      0203 2
143      0204 2          IF ACTUALCOUNT () GEQU 3
144      THEN
145      0205 2          ERROR_ADDR = .ERROR;           ! Set unwind address
146      0206 2
147      0207 2
148      0208 2          !+ Set the enable argument for the PFV address.
149      0209 2          !-
150      0210 2
151      0211 2
152      0212 2          PFV_ADDR = PFV [PFV$R_PFV];
153      0213 2
154      0214 2          !+ Validate and lock the PFV.
155      0215 2          !-
156      0216 2
157      0217 2
158      0218 2          PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
159      0219 2
160      0220 2          !+ Set unwind action to unlock file.
161      0221 2          !-
162      0222 2
163      0223 2          UNWIND_ACT = PASSK_UNWIND_UNLOCK;
164      0224 2
165      0225 2          !+ Resolve lazy lookahead and open INPUT or OUTPUT.
166      0226 2          !-
167      0227 2
168      0228 2
169      0229 2
170      0230 2          IF NOT .PFV [PFV$V_VALID]
171      THEN
172      0231 2          PASS$LOOK_AHEAD (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
173      0232 2
174      0233 2          !+ Verify that file is open.
175      0234 2          !-
176      0235 2
177      0236 2
178      0237 2
179      0238 2          IF NOT .PFV [PFV$V_OPEN] ! Not open
180      THEN
181      0239 2          SPASS$IO_ERROR (PASS_FILENOPE,0);
182      0240 2
183      0241 2          !+ Set new linelimit.
184      0242 2          !-
185      0243 2
186      0244 2
187      0245 2
188      0246 2          FCB [FCB$L_LINELIMIT] = .LINELIMIT [0];
189      0247 2
190      0248 2          !+ Indicate successful completion
191      0249 2          !- Unlock file and return.
192      0250 2
193      0251 2
194      0252 2
```

PASSLINELIMIT2 LINELIMIT procedure
1-001 PASSLINELIMIT2 - Set linelimit for file

: 192 0253 2 FCB [FCB\$L_STATUS] = 0;
: 193 0254 2 PFV [PFV\$V_LOCK] = 0;
: 194 0255 2
: 195 0256 2 RETURN;
: 196 0257 2
: 197 0258 1 END;

K 6
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14-Sep-1984 12:51:35 [PASRTL.SRC]PASLINE1.B32;1

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! End of routine PASSLINELIMIT?

```

.TITLE PASS$LINELIMIT2 LINELIMIT procedure
.IDENT \1-001\

.EXTRN PASS$LINELIMIT2, PASS$IO_HANDLER
.EXTRN PASS$VALIDATE_PFV
.EXTRN PASS$LOOK_AHEAD
.EXTRN PASS$SIGNAL, PASSK_FILENOPE

.PSECT _PASS$CODE,NOWRT, SHR, PIC,2

.ENTRY
SUBL2    PASS$LINELIMIT2, Save R2,R3,R6,R7
#8, SP
CLRL    ERROR_ADDR
CLRQ    UNWIND_ACT
MOVAL   4$, (FP)
(CMPB   (AP), #3
BLSSU   1$
MOVL    ERROR, ERROR_ADDR
MOVL    PFV, R6
MOVL    R6, PFV_ADDR
JSB     PASS$VALIDATE_PFV
MOVL    #1, UNWIND_ACT
BLBS    6(R6), 2$
JSB     PASS$LOOK_AHEAD
BBS    #5, 7(R6); 3$
(CLRL   -(SP)
MOVZBL  #PASSK_FILENOPE, -(SP)
CALLS   #2, PASS$SIGNAL
RET

MOVL    @LINELIMIT, -32(F(B))
CLRL   -44(F(B))
BICB2  #128, 7(R6)
RET

.WORD  Save nothing
MOVL   8(AP), R0
MOVL   4(R0), R0
PUSHAB  ERROR_ADDR
PUSHAB  UNWIND_ACT
PUSHAB  PFV_ADDR
#3
PUSHL  SP
MOVO   4(AP), -(SP)
CALLS  #3, PASS$IO_HANDLER
RET

```

; Routine Size: 120 bytes, Routine Base: _PASSCODE + 0000

: 198 0259 1

PASS\$LINELIMIT2 LINELIMIT procedure
 1-001 PASS\$LINELIMIT2 - Set linelimit for file
 : 199 0260 1 !<BLF/PAGE>
 : 200 0261 1 END
 : 201 0262 1
 : 202 0263 0 ELUDOM

L 6
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 14-Sep-1984 12:51:35 [PASRTL.SRC]PASLINELI.B32;1

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. End of module PASS\$LINELIMIT2

PSECT SUMMARY

| Name | Bytes | Attributes |
|-------------|-------|---|
| _PASS\$CODE | 120 | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

Library Statistics

| File | Total | Symbols | Pages Mapped | Processing Time |
|--|-------|---------|--------------|-----------------|
| -\$255\$DUA28:[SYSLIB]STARLET.L32;1 | 9776 | 0 | 581 | 00:01.0 |
| -\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1 | 427 | 90 | 33 | 00:00.4 |

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:PASLINELI/OBJ=OBJ\$:PASLINELI MSRC\$:PASLINELI/UPDATE=(ENH\$:PASLINELI)

: Size: 120 code + 0 data bytes
 : Run Time: 00:04.8
 : Elapsed Time: 00:20.1
 : Lines/CPU Min: 3267
 : Lexemes/CPU-Min: 9913
 : Memory Used: 67 pages
 : Compilation Complete

0295 AH-BT13A-SE
VAX/VMS V4.0

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PASOPEN2
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